P. Solve	the following	ig Toongrosto	eapacity				
	mi ma	m3 m4	eapacity				
FI	6 11	9 3	70				
	11 5						
F3		4 7					
Requirement 85 35 50 45 = 215 195							
Sol: Zeapacity # E Requirement							
Add a dummy row.							
	m1 . m2	m3 m4	capacity Penalty				
FI	1666 1511	9 3	765 2 2 2				
62	11 30 6	25/2 8	5525 3 3 3 6 6				
63	10 12	25/4 43	70453 3 3 3 3				
64	200	0 0	20 0				
Requirement	86 35	50 45					
	6 30	25 3					
	4 4	2 4					
	1 4	2 4					
	7	2 1					
		2 1					
cost	= (65x6)+(6×1)+(30×5)+	(25×2)+(25×4)+(45×7)+				
(20x0) = 390+5+50+50+100+315+0							
= 1010							
Optimality list = (111), (112), (212), (213), (313), (314), (411)							
cost in	the cells a	Le 6,1,5,2	,4,7,0.				
$u_1 + v_1 = 6$							
U1+ V2=	1						
$u_{a}+v_{a}=5$							
$u_2 + v_3 = 2$							
$u_{3} + v_{3} = 4$							
44 + 1	= 0						

66/6	15/4+	9	3
11	30 9-	25/24	8
+-10	12	25/4/-	454
2010	0	0	0

600	10/	9	3
11	25 5	30/2	8
to	12	20/4	194
0	0	0	0

total cost =
$$(60 \times 6) + (10 \times 1) + (25 \times 5) + (30 \times 2) + (5 \times 10) + (20 \times 4) + (45 \times 10) + (20 \times 0)$$

= $360 + 10 + 125 + 60 + 50 + 80 + 315 + 0$
= 1000